Index 1979

SUBJECT

Abstracts, 116, 148, 186
Agricultural chemistry
  anabolic agents, 56
  behaviour controlling chemicals, 44
  fertiliser, phosphate requirement of soils, 176
  fertilisers, inorganic, 41
  grasses, 51
  herbicides, selective, 54
  nitrogen fixation, 66
  pesticide analysis, 59
  pesticides, chemical, 38
  plant cell walls, 48
  plant growth substances, 54
  soil organic chemistry, 35
  trace element determination, 62
Alkanes, substitution in, 120
Alkenes, addition to, 121
Antioxidants, 180
Assessment, computer aided, 18
Autoxidation, 180

Baeyer, a play for Professor A., 112
Books
  amino acids, 95
  calculators, 23
  computers, 163
  consumer chemistry, 23, 158
  covalent bond, 69
  CSE science, 22
  educational techniques, 194
  equilibra, ionic, 22
  examination questions, 160
  experiments, 157, 159
  inorganic chemistry, 158
  magnetic resonance, 160
  materials, 129
  metabolism, 23
  models, 159
  multiple choice tests, 22
  Nuffield O-level, 69, 194
  organic chemistry, 94, 130, 158, 194
  physical chemistry, 22, 23
  physical organic chemistry, 160
  physical science, 129
  practical,
    organic, 23
    inorganic, 160
  problems, 129
  safety, 158, 163
  science education, 163
  tests, 194
  textbooks, 94, 95, 129, 157, 158, 159, 160
  water, 129

Chemical reactions, simulation of, 154
Chemical research, sources of, 86
Computer
  assessment, 18
  simulating chemical reactions, 154
Copper (II) sulphate, experiment, 124

Dyeing, with Tyrian Purple, 145

Earth, formation of, 90
Economic analyses, and pollution, 78
Educational research, sources of, 82
Elements, distribution of, 90
Environment, course in, 182
Enzymes, reactions of, 6
Equilibrium constant, units of, 101, 191
Experiments,
  antioxidants, 180
  azeotropic distillation, 124
  copper(II) sulphate, 124
  determination of phosphate in soils, 176
  thermite reaction, 178
  Wittig reaction, 93

Geometry, vsepr rule, 146
Glycosides, hydrolysis of, 7

Higher education, progress in, 136
HNC, a mastery learning scheme, 109
Hydrolysis, of esters, 122

Indigo, 144
Industry, a teacher's experience of, 15

Literature
  educational research, 82
  chemical research, 86

Mastery learning scheme, in HNC, 109
Mathematics, modern, and the mole, 10
Mechanisms, 120
Millen, J., an interview with, 142
Mole, and modern mathematics, 10
Multiple choice tests, position, response sets, 175

Organic compounds, oxidation of, 12
Organic reaction mechanisms, 120
Oxidation, of organic compounds, 12

Play, chemical comedy, 112
Pollution, cost of, 78
Popper, relevance of, 102
Practical work,
  a model for, 16
  survey of attitudes, 189
Projects, the Yeovil week, 126

Safety,
  asbestos substitute, 26
  fume cupboards, 97
Scandium, chemistry of, 123
Society, chemistry and, 182
Soils, phosphate fertiliser requirement, 176
Studying, methods of, 184

Thermite reaction, demonstration of, 178
Tyrian Purple, synthesis of, 144

Units, does *K* have, 101, 191

Vsepr rule, 146

Water, estimation of, 125
Wittig reaction, an experiment, 93

AUTHOR

Anderson, G., 35
Armstead, D. E. F., 93
Austin, D. J., 38

Bacon, J. S. D., 48
Ball, D. F., 78

Chalmers, J. A., 144
Chester, J. P., 154
Childs,P. E., 86
Cox, P. J., 18

Dandy, A. J., 176
Devenport, J., 188
Doswald, H. K., 112

Fergusson, J. E., 90
Fitton, F., 180
Friel, S., 175

Gadd, K. F., 126
Glidewell, C., 146

Heitzman, R. J., 56
Henson, R., 10

Johnstone, A. H., 16, 175
Jones, D. I. H., 51

Kauffman, G. B., 112

Lazonby, J. N., 188
Lilley, T. H., 182

Macfarlane, D., 136
McGinn, M. A., 154
Mattingly, G. E. G., 41
Miller, K., 109
Morgan, D. R., 15
Morrison, R. J., 123, 176

Norman, R. O. C., 12, 120
Norton, K., 109

Pickett, J. A., 44
Pinkney, J. M., 144

Richards. R. L., 66
Roberts, T. R., 59
Roebuck, P. J., 178

Seeley, M. E., 82
Selinger, B., 125
Servant, D. M., 109
Sinnott, M. L., 6
Smith, M. P., 184
Stumbles, A., 10

Vincent, A., 124, 184

Waddington, D. J., 120, 188
Wain, R. L., 54
West, T. S., 62
Wham, A. J. B., 16
White, C., 182
Williams, G. F., 102
Wiseman, P., 180